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L8	371	L5 same 3	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 01:38
L9	4	6 and 8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 01:38

L10	3	9 and @ad<"19981222"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 01:46
L11	1028998	interface\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 01:44
L12	62626	L5 same 11	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 01:45
L13	2543	12 and 6	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 01:46
L14	34	12 and 8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 01:46
L15	10	14 and @ad<"19981222"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 01:46

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L7	23792	application\$1 adj program\$5 adj interface\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:02
L8	7976	black adj2 box\$2	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:04
L9	83	("4622013" or "4874784" or "4931950" or "4964077" or "4977529" or "5002491" or "5170464" or "5189402" or "5208745" or "5208898" or "5239617" or "5259766" or "5310349" or "5311422" or "5317688" or "5326270" or "5359701" or "5372507" or "5395243" or "5441415" or "5491743" or "5533903" or "5535422" or "5537141" or "5539869" or "5566291" or "5576844" or "5577186" or "5597312" or "5616033" or "5644686" or "5644727" or "5673369" or "5690496" or "5696885" or "5701400" or "5720007" or "5727161" or "5727950" or "5745652" or "5772446" or "5779468" or "5788508" or "5791907" or "5799151" or "5799292" or "5806056" or "5810747" or "5822745" or "5823781" or "5823788" or "5835683" or "5868575" or "5870768" or "5875437" or "5889845" or "5893123" or "5911581" or "5974446" or "6003021" or "6015348" or "6016486" or "6018730" or "6018731" or "6018732" or "6023691" or "6023692" or "6026386" or "6029156" or "6029158" or "6029159" or "6032141" or "6064998" or "6067537" or "6067538" or "6073127" or "6085184" or "6101489" or "6125358" or "6134539" or "5267865" or "5987443" or "4891766").pn.	USPAT	OR	ON	2005/07/02 00:05

L10	83	("4622013" or "4874784" or "4931950" or "4964077" or "4977529" or "5002491" or "5170464" or "5189402" or "5208745" or "5208898" or "5239617" or "5259766" or "5310349" or "5311422" or "5317688" or "5326270" or "5359701" or "5372507" or "5395243" or "5441415" or "5491743" or "5533903" or "5535422" or "5537141" or "5539869" or "5566291" or "5576844" or "5577186" or "5597312" or "5616033" or "5644686" or "5644727" or "5673369" or "5690496" or "5696885" or "5701400" or "5720007" or "5727161" or "5727950" or "5745652" or "5772446" or "5779468" or "5788508" or "5791907" or "5799151" or "5799292" or "5806056" or "5810747" or "5822745" or "5823781" or "5823788" or "5835683" or "5868575" or "5870768" or "5875437" or "5889845" or "5893123" or "5911581" or "5974446" or "6003021" or "6015348" or "6016486" or "6018730" or "6018731" or "6018732" or "6023691" or "6023692" or "6026386" or "6029156" or "6029158" or "6029159" or "6032141" or "6064998" or "6067537" or "6067538" or "6073127" or "6085184" or "6101489" or "6125358" or "6134539" or "5267865" or "5987443" or "4891766").pn.	USPAT	OR	ON	2005/07/02 00:05
L11	0	L10 xor L9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:05

L12	83	("4622013", "4874784", "4981766", "4931950", "4964077", "4977529", "5002491", "5170464", "5189402", "5208745", "5208898", "5239617", "5259766", "5267865", "5310349", "5311422", "5317688", "5326270", "5359701", "5372507", "5395243", "5441415", "5491743", "5533903", "5535422", "5537141", "5539869", "5566291", "5576844", "5577186", "5597312", "5616033", "5644686", "5644727", "5673369", "5690496", "5696885", "5701400", "5720007", "5727161", "5727950", "5745652", "5772446", "5779468", "5788508", "5791907", "5799151", "5799292", "5806056", "5810747", "5822745", "5823781", "5823788", "5835683", "5868575", "5870768", "5875437", "5889845", "5893123", "5911581", "5974446", "5987443", "6003021", "6015348", "6016486", "6018730", "6018731", "6018732", "6023691", "6023692", "6026386", "6029156", "6029158", "6029159", "6032141", "6064998", "6067537", "6067538", "6073127", "6085184", "6101489", "6125358", "6134539").pn.	USPAT	OR	ON	2005/07/02 00:05
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L14	25	7 and 9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:07

L15	21	8 and 9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:07
L16	412	7 and 8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:07
L17	21	16 and 9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:09
L18	16	7 same 8	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:08
L19	0	18 and 9	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:08
L20	0	17 and @ad<"19981222"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:10
L21	58	("5987443" "6003021" "6134539" "6067537" "6032141" "6535861" "6073127" "6023691" "6101489" "6026386" "6067538" "6542880" "6085184" "6016486" "6023692" "6029158" "6029156" "6018732" "6018731" "6125358" "6064998" "6018730" "6029159" "6622003" "6591256" "6282362" D372435 "6284947" "6658398" "6549893" "6493690" "6452070" "6611822" "5694601" "5701400" "5827070" "5170464" "5372507" "5727161" "5,528,516" "5,581,749" "5,907, 705").pn. or ("20020035478" "20010016839" "20030172082" "20020171982" "20030163361" "20030041040" "20020090595" "20020067822" "20030106040" "20020161777" "20030093831" "20030041343" "20030084015" "20030023686" WO-9744766-\$ WO-9832109-\$).did.	US-PGPUB; USPAT; EPO	OR	ON	2005/07/02 00:09

L22	34	16 and L21	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:09
L23	180776	"221" and @ad<"19981222"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:10
L24	34	22	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:10
L25	0	22 and @ad<"19981222"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:17

L36	2447	30 xor 35 30 and 35	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:12
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L42	35	16 and 36	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:17
L43	29	16 and 41	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:17
L44	1	42 and @ad<"19981222"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:19
L45	0	43 and @ad<"19981222"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:17
L46	99	7 and 36 and @ad<"19981222"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:21
L47	15	8 and 36 and @ad<"19981222"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:20
L48	4	14 and @ad<"19981222"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:21
L49	0	15 and @ad<"19981222"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:21

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
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S281	3882162	component\$1	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 22:12
S282	1696032	tabl\$4 tabular\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 22:12

S28 3	822575	S281 and S282	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 22:13
S28 4	56	S280 and S283	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 22:13
S28 5	195938	S281 same S282	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 22:13
S28 6	56913	S281 near5 S282	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 22:14
S28 7	11	S280 and S285	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 22:14
S28 8	5	S280 and S286	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 22:14

S28 9	83	("4622013" or "4874784" or "4931950" or "4964077" or "4977529" or "5002491" or "5170464" or "5189402" or "5208745" or "5208898" or "5239617" or "5259766" or "5310349" or "5311422" or "5317688" or "5326270" or "5359701" or "5372507" or "5395243" or "5441415" or "5491743" or "5533903" or "5535422" or "5537141" or "5539869" or "5566291" or "5576844" or "5577186" or "5597312" or "5616033" or "5644686" or "5644727" or "5673369" or "5690496" or "5696885" or "5701400" or "5720007" or "5727161" or "5727950" or "5745652" or "5772446" or "5779468" or "5788508" or "5791907" or "5799151" or "5799292" or "5806056" or "5810747" or "5822745" or "5823781" or "5823788" or "5835683" or "5868575" or "5870768" or "5875437" or "5889845" or "5893123" or "5911581" or "5974446" or "6003021" or "6015348" or "6016486" or "6018730" or "6018731" or "6018732" or "6023691" or "6023692" or "6026386" or "6029156" or "6029158" or "6029159" or "6032141" or "6064998" or "6067537" or "6067538" or "6073127" or "6085184" or "6101489" or "6125358" or "6134539" or "5267865" or "5987443" or "4891766").pn.	USPAT	OR	ON	2005/07/01 22:45
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S29 1	1696032	tabl\$4 tabular\$5	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 22:31

S29 2	56913	S290 near5 S291	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 22:31
S29 3	5	S289 and S292	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 22:31
S29 4	4	S293 and @ad<"19981222"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:01
S29 5	195938	S290 same S291	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 22:31
S29 6	11	S289 and S295	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 22:31
S29 7	10	S296 and @ad<"19981222"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/02 00:08
S29 8	822575	S290 and S291	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 22:31
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S30 0	35	S299 and @ad<"19981222"	US-PGPUB; USPAT; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/07/01 22:31


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21 [Managing the software design documents with XML](#)

Junichi Suzuki, Yoshikazu Yamamoto

 September 1998 **Proceedings of the 16th annual international conference on Computer documentation**

 Full text available: [pdf\(1.09 MB\)](#)

 Additional Information: [full citation](#), [references](#), [index terms](#)

Keywords: CASE data interchange, UML, XML, software model interchange

22 [A wimp no more: the maturing of user interface engineering](#)

Bill Curtis, Bill Hefley

 January 1994 **interactions**, Volume 1 Issue 1

 Full text available: [pdf\(1.40 MB\)](#)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)


23 [A Prediction Packetizing Scheme for Reducing Channel Traffic in Transaction-Level Hardware/Software Co-Emulation](#)

Jae-Gon Lee, Moo-Kyoung Chung, Ki-Yong Ahn, Sang-Heon Lee, Chong-Min Kyung

 March 2005 **Proceedings of the conference on Design, Automation and Test in Europe - Volume 1**

 Full text available: [pdf\(149.80 KB\)](#)

 Additional Information: [full citation](#), [abstract](#)


This paper presents a scheme for efficient channel usage between simulator and accelerator where the accelerator models some RTL sub-blocks in the accelerator-based hardware/software co-simulation while the simulator runs transaction-level model of the remaining part of the whole chip being verified. With conventional simulation accelerator, evaluations of simulator and accelerator alternate at every valid simulation time, which results in poor simulation performance due to startup overhead of s ...

24 [A synchronization model for hypermedia documents navigation](#)

Augusto Celentano, Ombretta Gaggi

 March 2000 **Proceedings of the 2000 ACM symposium on Applied computing - Volume 2**

 Full text available: [pdf\(606.74 KB\)](#)

 Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)


Keywords: World Wide Web, hypermedia, interactive presentation, media delivery, synchronization

25 Verification validation and accreditation of simulation models

Osman Balci

December 1997 **Proceedings of the 29th conference on Winter simulation**


Full text available:  [pdf\(655.79 KB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)



26 XORP: an open platform for network research

Mark Handley, Orion Hodson, Eddie Kohler

January 2003 **ACM SIGCOMM Computer Communication Review**, Volume 33 Issue 1

Full text available:  [pdf\(149.96 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)




Network researchers face a significant problem when deploying software in routers, either for experimentation or for pilot deployment. Router platforms are generally not open systems, in either the open-source or the open-API sense. In this paper we discuss the problems this poses, and present an eXtensible Open Router Platform (XORP) that we are developing to address these issues. Key goals are extensibility, performance and robustness. We show that different parts of a router need to prioritiz ...

27 Technical correspondence: An abstract intermediate representation in compilation systems

Dai Guilan, Tian Jinlan, Zhang Suqing, Jiang Weidu

February 2003 **ACM SIGPLAN Notices**, Volume 38 Issue 2

Full text available:  [pdf\(504.82 KB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#)




The design of an intermediate representation is critical to the portability of a compiler and the efficiency of code generation. In order to increase the reusability of compiler components, and to simplify the development process of compilers, the paper presents an abstract intermediate representation (AIR) that provides a concise notation for describing the abstract syntax of programming languages and the inner data structures of compilers. AIR integrates algebraic data types into the object-or ...

Keywords: algebraic datatypes, compiler infrastructures, intermediate representations, object-orientation

28 Access to graphical interfaces for blind users

W. Keith Edwards, Elizabeth D. Mynatt, Kathryn Stockton

January 1995 **interactions**, Volume 2 Issue 1

Full text available:  [pdf\(1.76 MB\)](#) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#), [review](#)



29 Designing database interfaces with DBface

Roger King, Michael Novak

April 1993 **ACM Transactions on Information Systems (TOIS)**, Volume 11 Issue 2

Full text available:  [pdf\(1.86 MB\)](#) Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)



DBface is a toolkit for designing interfaces to object-oriented databases. It provides users

with a set of tools for building custom interfaces with minimal programming. This is accomplished by combining techniques from User Interface Management Systems (UIMS) with a built-in knowledge about the specific kinds of techniques used by object-oriented databases. DBface allows users to create graphical constructs and interactive techniques by taking advantage of an object-oriented database envir ...

Keywords: graphical interfaces, object-oriented databases, user interface management systems

30 A formal approach for designing CORBA-based applications

Alberto Coen-Porisini, Matteo Pradella, Matteo Rossi, Dino Mandrioli

April 2003 **ACM Transactions on Software Engineering and Methodology (TOSEM)**,

Volume 12 Issue 2

Full text available:  pdf(478.44 KB)

Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The design of distributed applications in a CORBA-based environment can be carried out by means of an incremental approach, which starts from the specification and leads to the high-level architectural design. This article discusses a methodology to transform a formal specification written in TRIO into a high-level design document written in an extension of TRIO, named TRIO/CORBA (TC). The TC language is suited to formally describe the high-level architecture of a CORBA-based application. As a r ...

Keywords: CORBA, architectural design, control systems, formal methods, frameworks, object orientation, supervision, temporal logic

31 Software engineering for user interfaces

Stephen W. Draper, Donald A. Norman

March 1984 **Proceedings of the 7th international conference on Software engineering**

Full text available:  pdf(706.75 KB)


Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

The discipline of Software Engineering can be extended in a natural way to deal with the issues raised by a systematic approach to the design of human-machine interfaces. Two main points are made: that the user should be treated as part of the system being designed, and that projects should be organized to take account of the current (small) state of a priori knowledge about how to design interfaces. Because the principles of good user-interface design ...

32 Maiday: An environment for guided programming with a definitional language

Jacques Guyard, Jean-Pierre Jacquot

March 1984 **Proceedings of the 7th international conference on Software engineering**

Full text available:  pdf(1.08 MB)


Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

MAIDAY is a programming environment that provides methodological assistance. It supports a definitional language in which the user defines objects instead of manipulating variables as in typical programming languages. In this paper we present the heart of the system: the editor EDME. Editing commands operate only upon the logical structure of the algorithm rather than upon its abstract tree structure. This logical structure is concrete and stratified into four levels. On each level the user ...

Keywords: Definitional Language, Modularity, Programming Environment, Programming Methodology

33 Migratory applications


Krishna A. Bharat, Luca Cardelli

December 1995 **Proceedings of the 8th annual ACM symposium on User interface and software technology**Full text available:  [pdf\(1.19 MB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: application checkpointing, application migration, collaborative work, interactive agents, mobile computing, safety, ubiquitous computing

34 REX—a VLSI parasitic extraction tool for electromigration and signal analysis

Jerry P. Hwang

June 1991 **Proceedings of the 28th conference on ACM/IEEE design automation**Full text available:  [pdf\(668.33 KB\)](#)Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)**35 The use of a meta-assembler to design an M code interpreter on AMD2900 chips**

Stanley Habib, Xue-Liang Yang

December 1981 **ACM SIGMICRO Newsletter , Proceedings of the 14th annual workshop on Microprogramming**, Volume 12 Issue 4Full text available:  [pdf\(960.39 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

There have been several machine designs using microprogrammed control which interpretively execute intermediate code such as P code and earlier version such as POPS. The recently announced Modula language uses M code as an intermediate language. This paper describes how an AM-DAM2900 bit slice architecture was used to implement the interpretive execution of M code. The microcontrol is microprogrammed using the standard AMD AM2900 microfunctions to execute the M code. The design was tested as ...

36 Time weaver: a software-through-models framework for embedded real-time systems

Dionisio de Niz, Raj Rajkumar

June 2003 **ACM SIGPLAN Notices , Proceedings of the 2003 ACM SIGPLAN conference on Language, compiler, and tool for embedded systems**, Volume 38 Issue 7Full text available:  [pdf\(467.76 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#)

Embedded real-time systems are deployed in a wide range of application domains including transportation systems, automated manufacturing, process control, defense, aerospace, and telecommunications. These systems must satisfy not only logical functional requirements but also *para-functional* properties such as timeliness, Quality of Service (QoS) and reliability. The cross-cutting behaviors imposed by these para-functional properties and dependencies on operational characteristics (e.g. ha ...

Keywords: couplers, embedded, real-time, semantic dimension, semantic separation, software-through-models

37 The complexity of online groups: a case study of asynchronous collaborationFebruary 2001 **ACM Journal of Computer Documentation (JCD)**, Volume 25 Issue 1Full text available:  [pdf\(107.97 KB\)](#)Additional Information: [full citation](#), [abstract](#), [references](#), [citations](#), [index terms](#), [review](#)

Work preparing documents is increasingly being done by diverse, geographically separated project teams. This essay describes some of the characteristics of such collaboration and

applies them to a case study involving a team composing a mission statement. The group succeeded in their task, even though shortcomings inherent in asynchronous, distributed collaboration did lead to some problems.

Keywords: CSCW, collaboration, groupware, online publishing

38 Advisory systems for pro se litigants

L. Karl Branting

May 2001 **Proceedings of the 8th international conference on Artificial intelligence and law**

Full text available:  pdf(189.29 KB) Additional Information: [full citation](#), [abstract](#), [references](#), [index terms](#)

Increasing numbers of litigants represent themselves in court. Advisory systems designed to help litigants understand the available legal remedies and satisfy the substantive and procedural requirements to obtain those remedies have the potential to assist these litigants and thereby reduce the burden that they impose on the courts. This paper presents a four-component model of advisory systems for prose litigants. This model was implemented in the Protection Order Advisory (POA), an advisory ...

39 Collaboration using multiple PDAs connected to a PC

Brad A. Myers, Herb Stiel, Robert Gargiulo

November 1998 **Proceedings of the 1998 ACM conference on Computer supported cooperative work**


Full text available:  pdf(1.27 MB) Additional Information: [full citation](#), [references](#), [citations](#), [index terms](#)

Keywords: PalmPilot, amulet, pebbles, personal digital assistants, single display groupware

40 Graphic designers in transition: from print communications to interactive media design

Brenda Smith Faison

January 1996 **interactions**, Volume 3 Issue 1

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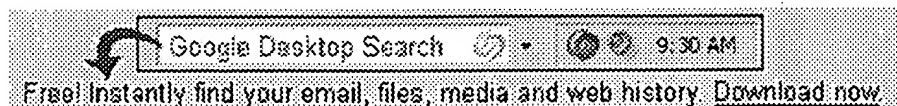
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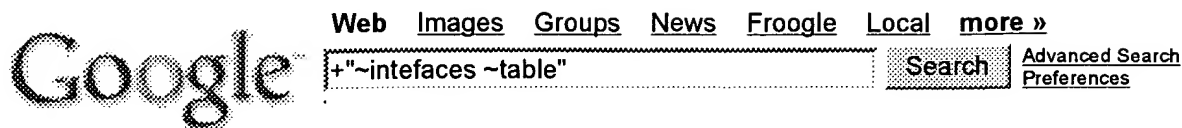
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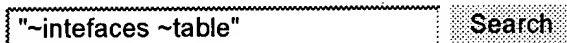
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